

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

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***Device Specifications:***

Device Type: Display  
Manufacturer: Sharp  
Firmware Version: N/A  
Model(s): PN-E603, PN-E703

***Minimum Software and Firmware Requirements:***

IP Link Compiler	IP Link Firmware	GC Version
1.6.0	1.17	3.5.2

***Version History:***

Driver Version	Date	Notes
1	9/18/2015	Initial version.

***Driver Notes:***

- Driver has been optimized for Volume.

# IP Link® Device Interface Ethernet Communication Sheet

## Control Commands & States:

<b>Aspect Ratio</b>	Wide Normal	Zoom 1 Dot by Dot	Zoom 2
<b>Auto Image</b>	Execute		
<b>Input</b>	Toggle DSUB (Component) HDMI 1 (PC) DisplayPort	DVI DSUB (Video) HDMI 2 (AV)	DSUB (RGB) HDMI 1 (AV) HDMI 2 (PC)
<b>Mute</b>	On	Off	
<b>On Screen Display</b>	On	Off	
<b>PIP Input</b>	DVI DSUB (Video) HDMI 2 (AV)	DSUB (RGB) HDMI 1 (AV) HDMI 2 (PC)	DSUB (Component) HDMI 1 (PC) DisplayPort
<b>PIP Mode*</b>	Mode 1 Off	Mode 2	Mode 3
<b>PIP Position</b>	Position 1	Position 2	Position 3
<b>PIP Size</b>	1 to 64 in steps of 1		
<b>Position</b>	Position 1	Position 2	
<b>Power Control</b>	On	Off	
<b>Volume (Discrete)</b>	0 to 31 in steps of 1		

\*Mode 1 – Displays a sub screen inside a main screen

\*Mode 2 – Displays a main screen and a sub screen in a line

\*Mode 3 – Displays a main screen which measures 1280 pixels in the longest direction and a sub screen in a line.

# IP Link® Device Interface Ethernet Communication Sheet

**Status Available:**

<b>Aspect Ratio</b>	Wide Normal	Zoom 1 Dot by Dot	Zoom 2
<b>Connection Status</b>	Connected	Disconnected	
<b>Input</b>	DisplayPort DSUB (Component) HDMI 1 (PC)	DVI DSUB (Video) HDMI 2 (AV)	DSUB (RGB) HDMI 1 (AV) HDMI 2 (PC)
<b>Mute</b>	On	Off	
<b>On Screen Display</b>	On	Off	
<b>PIP Input</b>	DVI DSUB (Video) HDMI 2 (AV)	DSUB (RGB) HDMI 1 (AV) HDMI 2 (PC)	DSUB (Component) HDMI 1 (PC) DisplayPort
<b>PIP Mode*</b>	Mode 1 Off	Mode 2	Mode 3
<b>PIP Position</b>	Position 1	Position 2	Position 3
<b>PIP Size</b>	1 to 64 in steps of 1		
<b>Position</b>	Position 1	Position 2	
<b>Power Control</b>	On	Off	
<b>Power Status</b>	On Status Unavailable	Off	Waiting for Input
<b>Volume (Discrete)</b>	0 to 31 in steps of 1		

\*Mode 1 – Displays a sub screen inside a main screen

\*Mode 2 – Displays a main screen and a sub screen in a line

\*Mode 3 – Displays a main screen which measures 1280 pixels in the longest direction and a sub screen in a line.

**Network communication:**

When configuring the Ethernet driver, be sure device settings match that of the GC configuration.

<b>Port Type:</b>	Ethernet
<b>Logon Credentials Supported:</b>	Yes
<b>Default Port:</b>	1025
<b>Multi-Connection Capable:</b>	Undetermined
<b>Port Changeable:</b>	Yes

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**Ethernet Driver Configuration Description:**

Please refer to user manual for settings and changes to the network communication parameters such as: Port Number.

**Notes for the Device:**

- Display ID must be set to 0 for driver to work properly.